

Patent Claims

1. An airbag module, especially a passenger airbag module, having a gas generator which is arranged in a module housing, the module housing (1) having a continuous gas outlet opening (6) on at least one side in the region of an airbag (4) to be deployed,

characterized

10 in that at least one web (7, 11, 13, 15, 19, 21, 22, 23, 24, 25) extending into the airbag (4) is arranged to the side of the gas outlet opening (6), running directly on the edge thereof or above the gas outlet opening (6).

2. The airbag module as claimed in claim 1, characterized in that the at least one web (11) extending into the airbag is arranged directly above the gas outlet opening (6a, 6b).

3. The airbag module as claimed in claim 1 or 2, characterized in that the web (7, 11, 13, 15, 19, 21, 22, 23, 24, 25) has a smaller length than the space in the module housing (1) for the mounting of the folded airbag (1), and in that the web extends almost as far as the upper edge of the module housing (1).

4. The airbag module as claimed in at least one of claims 1 to 3, characterized in that there is only one airbag layer (4a) above the web (7, 11, 13, 15, 19, 21, 22, 23, 24, 25).

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5. The airbag module as claimed in at least one of the preceding claims, characterized in that the module housing (1) is of two-part design, the gas outlet opening (6) and the web (7) being provided on a first part, also referred to as lower part (1a), in which the gas generator (2) is arranged, the folded airbag (4) being arranged in a second part, also referred to as upper part (1b), and both parts being connected via flanges (8, 9) between which the blow-in mouth (10) of the airbag (4) is fixed.

6. The airbag module as claimed in at least one of the preceding claims, characterized in that, when a tubular gas generator (2) is used, the gas outlet opening (6) runs in the direction of its longitudinal axis.

7. The airbag module as claimed in claim 6, characterized in that the web (7) runs in the direction of the longitudinal axis of the tubular gas generator (2).

8. The airbag module as claimed in claim 6 or 7, characterized in that the web (22) runs transversely to the tubular gas generator (2).

9. The airbag module as claimed in at least one of claims 6 to 8, characterized in that the web runs obliquely with respect to the direction of the longitudinal axis (20) of the tubular gas generator.

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10. The airbag module as claimed in at least one of the preceding claims, characterized in that the web (7, 19) runs directly on the edge of the gas outlet opening (6).

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11. The airbag module as claimed in at least one of the preceding claims 1 and 3 to 10, characterized in that the web (23, 24) is arranged above the gas outlet opening (6).

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12. The airbag module as claimed in at least one of the preceding claims, characterized in that the web (7) has a rectangular cross section.

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13. The airbag module as claimed in at least one of the preceding claims, characterized in that the web (11) has a wave-shaped cross section.

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14. The airbag module as claimed in at least one of the preceding claims, characterized in that the web (23, 24) is of bow-shaped design.

15. The airbag module as claimed in claim 14, characterized in that the bow-shaped web (23) is fastened to the module housing (1) on opposite sides of the gas outlet opening (6).
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16. The airbag module as claimed in claim 14 or 15, characterized in that the bow-shaped web (24) is fastened to the module housing (1) on one side of the gas outlet opening (6).
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17. The airbag module as claimed in at least one of the preceding claims, characterized in that the web (25) is angled in such a manner that it at least partially covers the gas outlet opening (6).
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18. The airbag module as claimed in at least one of the preceding claims, characterized in that the web (13, 15) has channels (14, 16) for conducting the gas flow.
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19. The airbag module as claimed in claim 18, characterized in that the channels (14) run rectilinearly.
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20. The airbag module as claimed in claim 18 or 19, characterized in that the channels (14) on the outlet side run in such a manner that they are directed onto the airbag layer situated above the web (13).

21. The airbag module as claimed in at least one of  
claims 18 to 20, characterized in that the channels  
(16c, 16d) on the outlet side of the gases run in a  
different direction than the channels (16a, 16b) on the  
5 inlet side of the gases.

22. The airbag module as claimed in at least one of  
claims 18 to 21, characterized in that the outlets of  
the channels (16c, 16d) end on the end sides of the web  
10 (15).